

ENGINEER, PROFESSIONAL & STRUCTURAL

A professional engineer possesses educational qualifications, work experience, and legal certification for employment in some branch of engineering, such as mechanical, electrical, or structural.

OES - SOC Code: 17-2199

Fees:

Application Fee \$100.00

Renewal Fee \$ 60.00

Renewal Date Dec. 31th, even years.

Number of Utah Licensee's 6,647

Utah Statute/Rule 58-22, R156-22

Requirements:

Professional engineers shall comply with one or more of the following qualifying experience requirements: Submit verification of qualifying experience from one or more licensed professional engineers who have provided supervision or who have personal knowledge of the applicant's knowledge, ability, and competence to practice professional engineering documenting completion of a minimum of four calendar years of qualifying experience in professional engineering approved by the DOPL in collaboration with the board in accordance with the following:

1. Up to one year of qualifying experience may be obtained while enrolled in an engineering program meeting the criteria set forth in Section R156-22-201.
2. Unlimited qualifying experience may be obtained after meeting the education requirements.
3. A maximum of three of the four years of qualifying experience may be approved by the board for persons who complete one or more of the following:
4. A maximum of three years of qualifying experience may be granted for teaching advanced engineering subjects in a college or university offering an engineering curriculum accredited by EAC/ABET.
5. A maximum of three years of qualifying experience may be granted for conducting research in a college or university offering an engineering curriculum accredited by EAC/ABET.
6. A maximum of one year of qualifying experience may be granted for completion of masters degree in engineering provided that both the earned bachelors and masters degree in engineering and meet the program criteria set forth in Section R156-22-201.
7. A maximum of two years of qualifying experience may be granted for completion of a doctorate degree in engineering provided that both the earned bachelors or masters degree and doctorate degree in engineering and meet the program criteria set forth in Section R156-22-201.
8. Submit documentation of two years of licensed experience in a recognized

jurisdiction as a professional engineer.

9. An applicant who was unsuccessful in obtaining license by experience before July 1, 1996, but who passed the NCEES Fundamentals of Engineering Examination and completed four years of qualifying experience before July 1, 1996, and who thereafter completes the education requirements in Section R156-22-201, may receive credit for the qualifying experience obtained before July 1, 1996 regardless of the requirements of Subsection (1).
10. The performance or supervision of construction work as a contractor, foreman or superintendent is not qualifying experience for license as a professional engineer. Full or part time employment, research, or teaching for periods of time less than ten weeks in length will not be considered as qualifying experience.

Experience Requirements for License as a Professional Structural Engineer.

11. Each applicant shall submit verification of professional structural engineering experience from one or more licensed professional engineers or professional structural engineers who have personal knowledge of the applicant's knowledge, ability and competence to practice professional structural engineering, which experience is in addition to the qualifying experience required for license as a professional engineer.

Professional structural engineering experience shall include responsible charge of structural design in one or more of the following areas.

12. Structural design of any building or structure two stories and more, or 45 feet in height, designed in Uniform Building Code (UBC) seismic zones 2, 3, or 4; structural design for a major seismic retrofit/rehabilitation of an existing building or structure in UBC seismic zones 2, 3, or 4; or structural design of any other structure of comparable structural complexity.
13. Professional structural engineering experience shall include structural design in all of the following areas. Use of three of the following four materials as they relate to the design, rehabilitation or investigation of buildings or structures. Steel, concrete, wood, or masonry, selection of framing systems including the consideration of alternatives, and the selection of an appropriate system for the interaction of structural components to support vertical and lateral loads, selection of foundation systems including the consideration of alternatives and the selection of an appropriate type of foundation system to support the structure.
14. Design and detailing for the transfer of forces between stories in multi-story buildings or structures; application of lateral design in the design of the buildings or structures in addition to any wind design requirements; and application of the local, state and federal code requirements as they relate to design loads, materials, and detailing.

Examination Requirements for License as a Professional Engineer.

15. The NCEES Fundamentals of Engineering ("FE") Examination with a passing score as established by the NCEES; the NCEES Principles and Practice of Engineering ("PPE") Examination with a passing score as established by the NCEES in one of the following disciplines: agriculture, chemical, civil, control systems, electrical, environmental, fire protection, industrial, manufacturing,

mechanical, metallurgical, mining/mineral, nuclear, and petroleum; and as part of the application for license, pass all questions on the open book, take home Utah Law and Rules Examination. Beginning May 1, 2002, an applicant must have successfully completed the qualifying experience requirements set forth in Section R156-22-202, and have successfully completed the education requirements set forth in Section R156-22-201, and make application before being eligible to sit for the NCEES PPE examination.

16. The admission criteria to sit for the NCEES FE examination is set forth in Section 58-22-306.

Examination Requirements for Licensure as a Professional Structural Engineer.

17. The NCEES Fundamentals of Engineering Examination with a passing score as established by the NCEES; the NCEES Principles and Practice Examination in the discipline of civil with a passing score as established by the NCEES;
18. The NCEES Structural I and Structural II Examinations with a passing score as established by the NCEES or the 16 hour California Structural Examination with a passing score as established by the California engineering board; and as part of the application for license, pass all questions on the open book, take home Utah Law and Rules Examination. Beginning May 1, 2002, an applicant must have successfully completed the experience requirements set forth in Subsection R156-22-203 and make application before being eligible to sit for the NCEES Structural I and/or II examinations.

Regulatory Agency:

Department of Commerce
Division of Occupational & Professional Licensing
160 East 300 South
P.O. Box 146741
Salt Lake City, UT 84114-6741
Phone No.(801)530-6628 - 866-275-3675
www.dopl.utah.gov

Professional Associations & Organizations:

Utah Society for Professional Engineers	Structural Engineers Association
Tom McNamee, President	Stephen Cohen, President
8508 S Daneborg Dr	16 Exchange Place
Salt Lake City, UT 84121	Salt Lake City, UT 84111
Phone No. (801)942-9022	Phone No. (801)328-0278